



SIMPLE OPERATION

The bayonet connection enables easy loosening and swinging to the side. Externally accessible closure components are PTFE-coated. After pressing the start key, the fully automatic program is executed with the preselected parameters. The parameters can be changed and adjusted during the mounting process.

The Opal 410 is a fully hydraulic, water cooled hot mounting press for mounting samples before polishing. The process sequence is executed automatically. Mould assemblies can be exchanged quickly and without tools. The robust aluminium construction is powder coated.

With its solid construction and QATM hydraulic system, the operating noise of the machine is minimized.



MOULD ASSEMBLIES

Our comprehensive selection of mould assemblies from Ø 25.2 - 40 mm enables optimum mounting of your sample. Two mounts can be produced simultaneously with the use of a spacer.

ELECTRONIC CONTROL

With its clear LCD operation panel you can easily control the hot mounting press.



HEATING

Our high-power heating system gives a very short warm-up time.

COOLING WITH WATER- SAVING FUNCTION

The mounting process is either cooled with continuous or pulsed water flow. Thereby, a considerably lower water consumption can be achieved by pulsed cooling.

PRESSURE CONTROL

Besides the standard operation, you can choose between six pressures depending on sample diameter.



BASIC MODULE

OPAL 410

- | automatic hot mounting press
- | fully hydraulic operation with automatic water cooling (with water saving function)
- | bayonet closure system
- | computer controlled
- | easy change of mould assemblies
- | aluminium case, powder coated

Order No.: M0770000

EQUIPMENT

POWER SUPPLY

Equipment 1

230 V/50 Hz (1Ph/N/PE)

Order No.: A0770000

Equipment 2

110 V/60 Hz (1Ph/N/PE)

Order No.: A0770001

ACCESSORIES

COOLING UNIT

Recirculation unit

| extern



Cooling	0.81 kW
Motor	0.6 kW
Flow pressure	2.8 bar
Tank	6 ltr.
WxHxD	440 x 345 x 565mm
230 V/50 Hz (1Ph/N/PE)	
Order No.:	Z0730007
110 V/60 Hz (1Ph/N/PE)	
Order No.:	Z0730008

System cooling unit

| integrated in drawer



Cooling	0.81 kW
Motor	0.6 kW
Flow pressure	2.8 bar
Tank	6 ltr.
230 V/50 Hz (1Ph/N/PE)	
Order No.:	A5810171
110 V/60 Hz (1Ph/N/PE)	
Order No.:	A5810172

INSERTS

Mould assemblies

| cylinder, upper and lower ram



	without chamfer	with chamfer
	Order No.:	Order No.:
Ø 25.2 mm (appr. 1")	Z0770101	Z0770107
Ø 30 mm	Z0770102	Z0770108
Ø 32 mm	Z0770103	Z0770109
Ø 31.75 mm (1¼")	Z0770104	Z0770110
Ø 38 mm (appr. 1½")	Z0770105	Z0770111
Ø 40 mm	Z0770106	Z0770112

Spacer

| for double mounts



	without chamfer	with chamfer
	Order No.:	Order No.:
Ø 25.2 mm (appr. 1")	00702113	00702135
Ø 30 mm	00702114	00702136
Ø 32 mm	00702115	00702137
Ø 31.75 mm (1¼")	00702141	00702142
Ø 38 mm (appr. 1½")	00702116	00702124
Ø 40 mm	00702117	00702139

ACCESSORIES

CONNECTION SET OPAL 410

2x pressure tube R ½"; 2 m long

Adapter for ¾"

Order No.: Z0730003

SPECIFICATIONS

Mould	Ø 25.2-40 mm
Connected load	3.1 kVA
Power supply	1 230 V/50 Hz (1Ph/N/PE) 2 110 V/60 Hz (1Ph/N/PE)
Heating	4 x 500 Watt
Temperature range	20-200 °C
Heating time	variable / 0-30 min
Cooling time	variable / 0-30 min
Max. pressure	up to 450 bar depending on mould
WxHxD	~ 350 x 400 x 450 mm
Weight	40 kg

